

Table S1. The depths, heights of the curvations and the calculation of CI values from core LGD-T43-B-PC are listed

#	Depth (cm)	Height (cm)	CI value
1	43.2	0.6	1.6
2	48.9	0.4	2.3
3	58.0	0.7	1.4
4	60.7	0.6	1.6
5	63.5	0.6	1.8
6	73.3	0.3	3.6
7	96.9	0.9	1.1
8	103.0	0.6	1.8
9	109.3	0.6	1.8
10	119.5	1.0	1.0
11	142.0	0.7	1.4
12	170.0	0.6	1.6
13	171.0	0.8	1.2
14	174.9	0.6	1.8
15	194.5	1.3	0.8
16	299.2	0.5	2.1
17	312.9	0.6	1.6
18	317.5	1.0	1.0
19	338.5	1.4	0.7
20	344.5	0.9	1.2
21	354.0	2.1	0.5
22	357.5	0.2	4.6
23	369.5	0.6	1.7
24	374.7	0.4	2.8
25	375.6	0.7	1.4
26	382.6	0.3	3.6
27	385.0	0.7	1.4
28	388.5	1.0	1.0
29	393.5	0.6	1.6
30	400.1	0.3	4.0
31	404.7	0.6	1.7
32	406.5	1.0	1.0
33	461.0	0.9	1.1
34	471.7	0.7	1.5
35	493.0	0.5	1.8
36	500.9	0.5	1.8
37	502.2	0.5	1.8
38	504.2	0.4	2.6
39	525.3	1.2	0.9
40	527.0	1.6	0.6
41	549.0	1.2	0.9
42	555.3	0.3	3.0
43	557.5	0.4	2.7
44	560.4	0.4	2.7
45	605.0	0.4	2.5
46	606.3	0.5	1.9

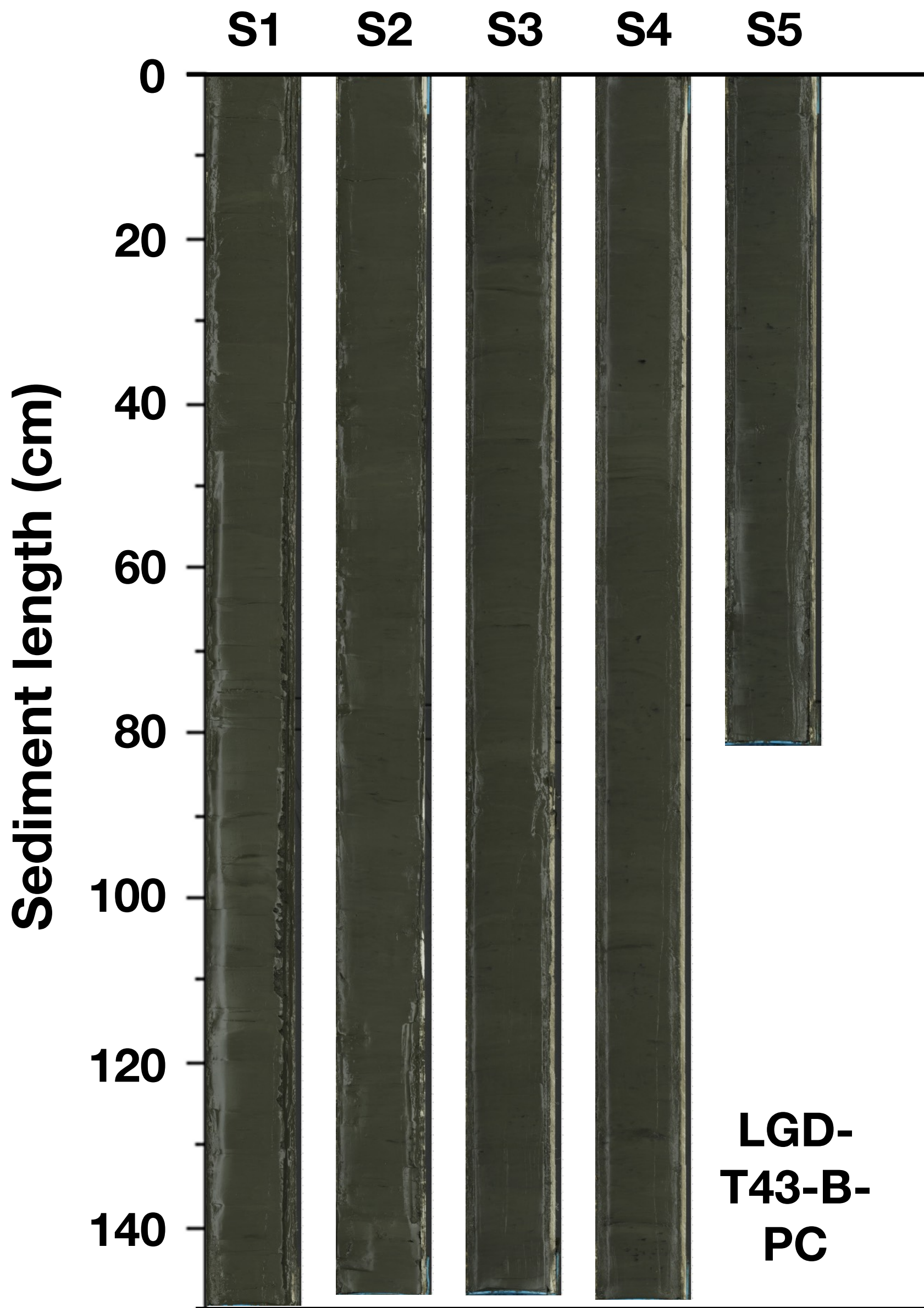


Figure S1

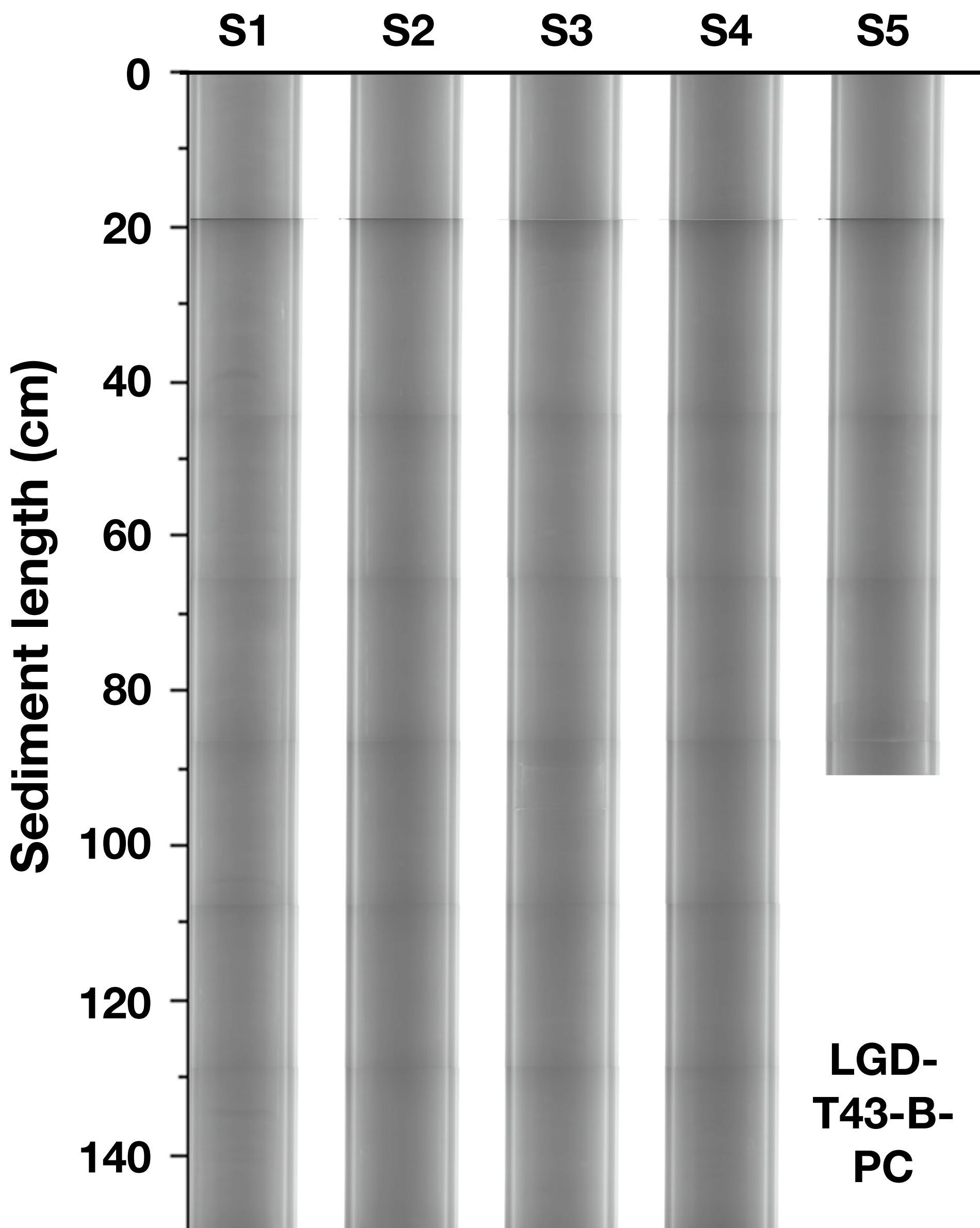


Figure S2